

DELAWARE MATERIAL SPECIFICATION

AGGREGATES FOR DRAINFILL AND FILTERS MS 214

1. SCOPE

This specification covers the quality of mineral aggregates for the construction of drainfill and filters used in sub-surface drains and structural or foundation drains.

2. QUALITY

Drainfill and filter aggregates shall be sand, gravel or crushed stone or mixtures thereof. They shall be composed of clean, hard, durable material particles free from organic matter, clay balls, soft particles or other substances that would interfere with their free-draining properties.

The aggregates shall conform to the durability and gradation requirements of ASTM C-33 unless otherwise specified on the drawings.

3. GRADING

Drainfill and filter aggregates shall conform to the specified grading limits after being placed in the work, and after being compacted if compaction is specified. Grading shall be determined by ASTM Method C-136. The percentage of material finer than the No. 200 sieve shall be determined by the method in ASTM Designation C-117.

4. STORING AND HANDLING

Drainfill and filter aggregates shall be stored and handled by methods that prevent segregation of particle sizes or contamination by mixing with other materials.